(13)

(11)

BRUHAT BANGLORE MAHANAGARA PALIKE

DASARAHALLI-ZONE

T.Dasarahalli-SUB-DIVISION.

Name of Work: -Improvements & Asphalting to Model colony Main road & cross road in Dasarahalli Ward No 15

Estimate Cost :- **19.90** Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work :-Improvements & Asphalting to Model colony Main road & cross road in Dasarahalli Ward No 15

			Est. Cost Rs				19.90	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-2. Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.152/I.19.2 PW, P & IWTD - SR 2013-14)	Cum							
	UGD Trench Cutting								
	SM road to Muniraj House road in Model colony		1	245.00	1.50	0.30	110.25		
	Pipe line road to Dead end		1	115.00	1.50	0.30	51.75		
	Opp. To Muniraj House road		1	60.00	1.50	0.30	27.00		
	Pipe line Parallel road		1	215.00	1.50	0.30	96.75		
	Desilting of Drains								
	SM road to Muniraj House road in Model colony		2	245.00	0.60	$\frac{0.2+0.4}{2}$	88.20		
	Pipe line road to Dead end		2	115.00	0.60	$\frac{0.2+0.4}{2}$	41.40		
	Opp. To Muniraj House road		2	60.00	0.60	$\frac{0.2+0.4}{2}$	21.60		
	Pipe line Parallel road		2	215.00	0.60	$\frac{0.2+0.4}{2}$	77.40		
							514.14	90.72	**46643.00**
	Basic Rate	84.00							
	Add Area Weightage 8%	6.72							
	Total	**90.72**							
2	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. Specification No. KRBS 500-1 MORTH Chapter 5 **Page No. 175/ Item No. 21.2/ PWD SR 2013-14**	**Sqm**							
	SM road to Muniraj House road in Model colony		1	245.00	8.50		2082.50		

	Pipe line road to Dead end		1	115.00	7.50		862.50		
	Opp. To Muniraj House road		1	60.00	7.50		450.00		
	Pipe line Parallel road		1	200.00	2.00		400.00		
	Cross road in Model Colony		1	200.00	7.50		1500.00		
			1	50.00	2.80		140.00		
	Basic Rate	2.40					**5434.00**	**2.59**	**14074.00**
	Area Weightage 8%	0.19							
	Total	**2.59**							
3	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** Specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per Specifications.MORTH Specification No. 406 **Page No. 170/ Item No. 20.18/ PWD SR 2013-14**	**Cum**							
	UGD Cuttings								
	SM road to Muniraj House road in Model colony		1	200.00	1.00	0.10	19.48		
							19.48	**1121.04**	**21838.00**
	Basic Rate	1038.00							
	Area Weightage 8%	83.04							
	Total	**1121.04**							
4	KSRRB M500-15: Providing, laying and rolling with vibratory roller of built-up spray grout layer over prepared base consisting of a two layer composite construction of compacted crushed coarse aggregates using motor grader for aggregates. Key stone chips spreader may be used with application of bituminous binder after each layer, and with key aggregates placed on top of the second layer to serve as a base confirming to the line, grades and cross-section specified, the compacted layer thickness being 75mm Complete as per specifications. MORTH specification No. 506 **Page No.177/ Item No. 21.16/ PWD SR 2013-14**	**Sqm**							
	UGD Trenches & Road Cuttings								
	SM road to Muniraj House road in Model colony		1	200.00	1.00		200.00		
	Pipe line road to Dead end		1	245.00	1.00		245.00		
	Opp. To Muniraj House road		1	99.00	1.00		99.00		
							543.40	**268.92**	**146131.00**
	Basic Rate	249.00							

	Area Weightage 8%	19.92							
	Total	**268.92**							
5	KSRRB 500-7: Providing and applying tack coat on the prepared black topped surfaces at 5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all Materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 **Page No. 176/ Item No. 21.8/ PWD SR 2013-14**	**Sqm**							
	SM road to Muniraj House road in Model colony		1	245.00	8.50		2082.50		
	Pipe line road to Dead end		1	115.00	7.50		862.50		
	Opp. To Muniraj House road		1	60.00	7.50		450.00		
	Pipe line Parallel road		1	200.00	2.00		400.00		
	Cross road in Model Colony		1	200.00	7.50		1500.00		
			1	50.00	2.80		140.00		
	Basic Rate	20.10					**5434.00**	**21.71**	**117972.00**
	Area Weightage 8%	1.61							
	Total	**21.71**							
6	KSRRB M500-17: Providing and laying **semi dense bituminous concrete 25mm thick** with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No. 500.8 complete in all respects as per specifications. With 80/100 grade bitumen using 40-60 HMP using Mechanical paver **Page No. 178/ Item No. 21.20.5/ PWD SR 2013-14**	**Cum**							
	UGD Cutting								
	SM road to Muniraj House road in Model colony		1	245.00	1.50	0.025	9.19		
	Pipe line road to Dead end		1	115.00	1.50	0.025	4.31		
	Opp. To Muniraj House road		1	60.00	1.50	0.025	2.25		
	Pipe line Parallel road		1	200.00	1.50	0.025	7.50		
	Profile Correction								
	SM road to Muniraj House road in Model colony		1	245.00	5.00	0.025	30.63		
	Pipe line road to Dead end		1	115.00	5.00	0.025	14.38		
	Opp. To Muniraj House road		1	62.00	5.00	0.025	7.75		
	Asphaltring for Road Portion								

	SM road to Muniraj House road in Model colony		1	245.00	8.00	0.025	49.00		
	Pipe line road to Dead end		1	115.00	6.80	0.025	19.55		
	Opp. To Muniraj House road		1	62.00	7.00	0.025	10.85		
	Basic Rate	9069.00					**155.33**	**9794.52**	**1521334.00**
	Area Weightage 8%	725.52							
	Total	**9794.52**							
7	Carriage of Mixed Materials Page No. 186 Note PWD SR 2013-14			**Qty item no.6**			155.33	52.11	**8094.00**
	1st to2ndKM	5.75							
	2nd-5th KM	16.50							
	5th -10th KM	26.00							
		48.25							
	Area Weightage 8%	3.86							
	Total	**52.11**							
8	KSRRB M800-13. Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and lying of hot applied Thermoplastic Compound 2.5mm thick including Reflectrising Glass Beads at 250 gms per Sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803. Page No. 197/ Item No. 24.15/ S.R 2013-14								
	SM road to Muniraj House road in Model		4	245.00	0.10		98.00		
	Pipe line road to Dead end		3	115.00	0.10		34.50		
	Opp. To Muniraj House road		3	78.00	0.10		23.40		
							155.80	471.96	**73531.00**
	Basic Rate	437.00							
	Area Weightage 8%	34.96							
	Total	**471.96**							
9	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading **Page No. 150 Item No. 17.1 PWD SR 2013-14**	Cum							
				Qty Vide Item No. 1			**514.14**	78.24	**40224.00**
	2 x 1.28 x 4 Kmtrs	10.24							
		62.20							
	Basic Rate	**72.44**							

	Add Area Weightage 8%	5.80							
	Total	**78.24**							
12	Miscellaneous and UnforessenCharges								165.00
								Total	1990000.00
(Rupees. Nineteen Lakhs Ninty Thousand Only)									

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2013-14
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward-15

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

ನಂ. JC(DH)/AS/290/13-14 ದಿನಾಂಕ 30-10-2013
ರೂ. 19.90 Lakhs
Nineteen Lakh, Ninety thousand only
P.No - 245
S.No - 290.

ನಂ. BB/DD/TS/206/13-14 ದಿನಾಂಕ : 30/10/13
ರೂ. 19.90 Lakhs
Nineteen Lakh Ninety Thousand only
P.no - 38
S L no - 206